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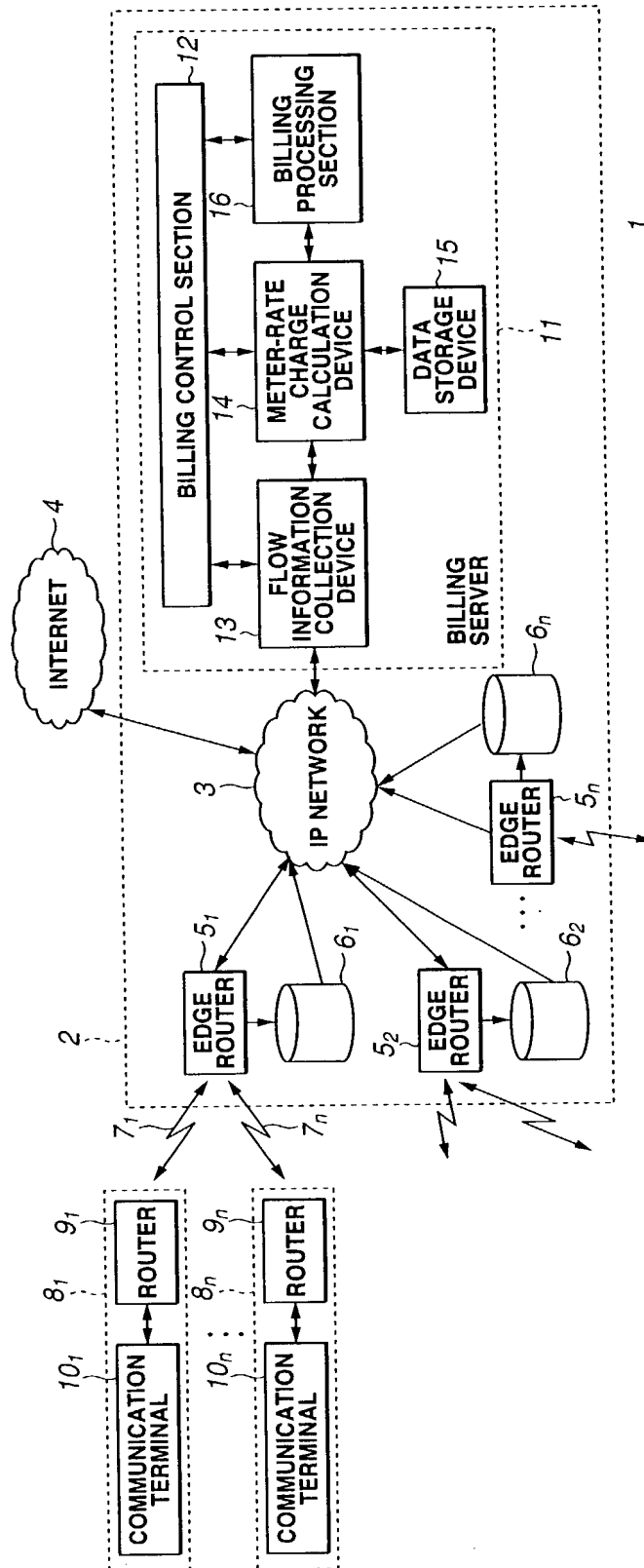


FIG.1

SOURCE 192.168.10.1 IFORMAT AIAGGREGATION CallRecordIPERIOD 51STARTTIME 112014691  
11ENDTIME 1122819117FLOWS 991MISSED 01RECORDS 70  
192.168.1.1021192.168.10.10110361231610192138121317313663021731366569122124  
192.168.10.101192.168.1.102123110361610167189321317313663021731366569121680  
192.168.1.1021192.168.10.10110371231610168812814412173136632317313665621213388  
192.168.10.101192.168.1.102123110371610144112258612173136632317313665621213136  
192.168.10.101192.168.1.101123116401610150122491217313663891731366462154252  
192.168.10.101192.168.1.10116401231610191136911217313663891731366462154652  
192.168.1.1011192.168.10.1011751121161013112011731366610173136661018  
192.168.1.1011192.168.1.10112111751161013115711731366610173136661014  
192.168.10.101192.168.1.1011201175916101201233511173136637817313663791252  
192.168.1.1011192.168.10.101175912016101214841173136637817313663791248  
192.168.10.101192.168.1.1011211175816101117871173136637917313663791320  
192.168.1.1011192.168.10.101175812116101115571173136637917313663801520  
192.168.10.101192.168.1.10112011760161017711107942011731366492173136649714836  
192.168.1.1011192.168.10.10117601201610140711628411731366492173136649714832  
192.168.10.101192.168.1.10112011761161017711107942011731366497173136650115012  
192.168.1.1011192.168.10.10117611201610142411696411731366497173136650115012  
192.168.10.101192.168.1.10112011762161017711107942011731366501173136650615028  
192.168.1.1011192.168.10.10117621201610142211688411731366501173136650615024  
192.168.10.101192.168.1.10112011763161017711107942011731366507173136651214948

FIG.2

ACCOUNT ID	8 <sub>1</sub>	8 <sub>2</sub>	8 <sub>3</sub>	8 <sub>4</sub>	...	8 <sub>n</sub>
IP ADDRESS	192.168.1.0	192.168.2.0	192.168.3.0	192.168.4.0		192.168.238.0
	192.168.1.1	192.168.2.1	192.168.3.1	192.168.4.1		192.168.238.1
	192.168.1.2	192.168.2.2	192.168.3.2	192.168.4.2		192.168.238.2
	192.168.1.3	192.168.2.3	192.168.3.3	192.168.4.3		192.168.238.3
	192.168.1.4	192.168.2.4	192.168.3.4	192.168.4.4	...	192.168.238.4
	192.168.1.5	192.168.2.5	192.168.3.5	192.168.4.5		192.168.238.5
	192.168.1.6	192.168.2.6	192.168.3.6	192.168.4.6		192.168.238.6
	192.168.1.7	192.168.2.7	192.168.3.7	192.168.4.7		192.168.238.7



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FIG.3

ACCOUNT ID	DISCOUNT OBJECT ACCOUNT ID
8 <sub>1</sub>	8 <sub>2</sub> 8 <sub>3</sub> 8 <sub>4</sub>
8 <sub>2</sub>	8 <sub>1</sub> 8 <sub>4</sub>
8 <sub>3</sub>	8 <sub>1</sub>
8 <sub>4</sub>	-
⋮	⋮
8 <sub>n</sub>	8 <sub>1</sub>
	8 <sub>2</sub>
	8 <sub>4</sub>

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FIG.4

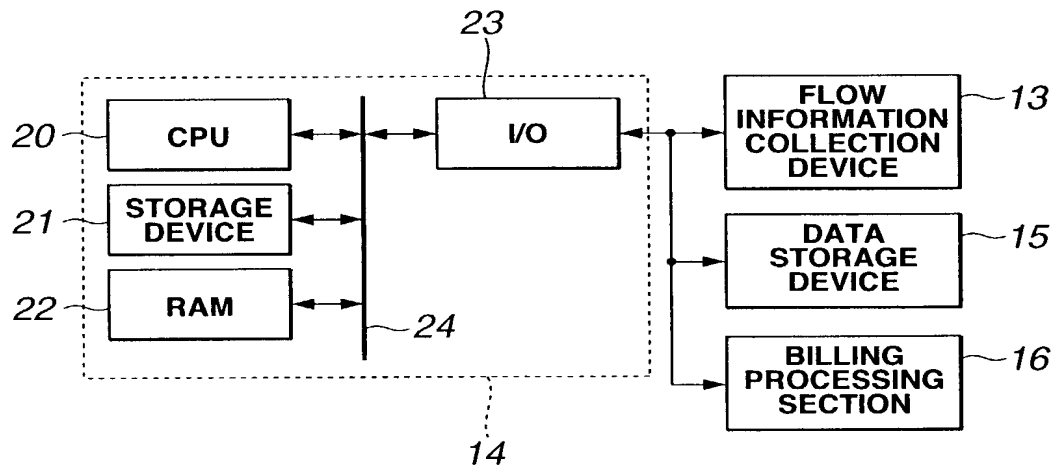


FIG.5

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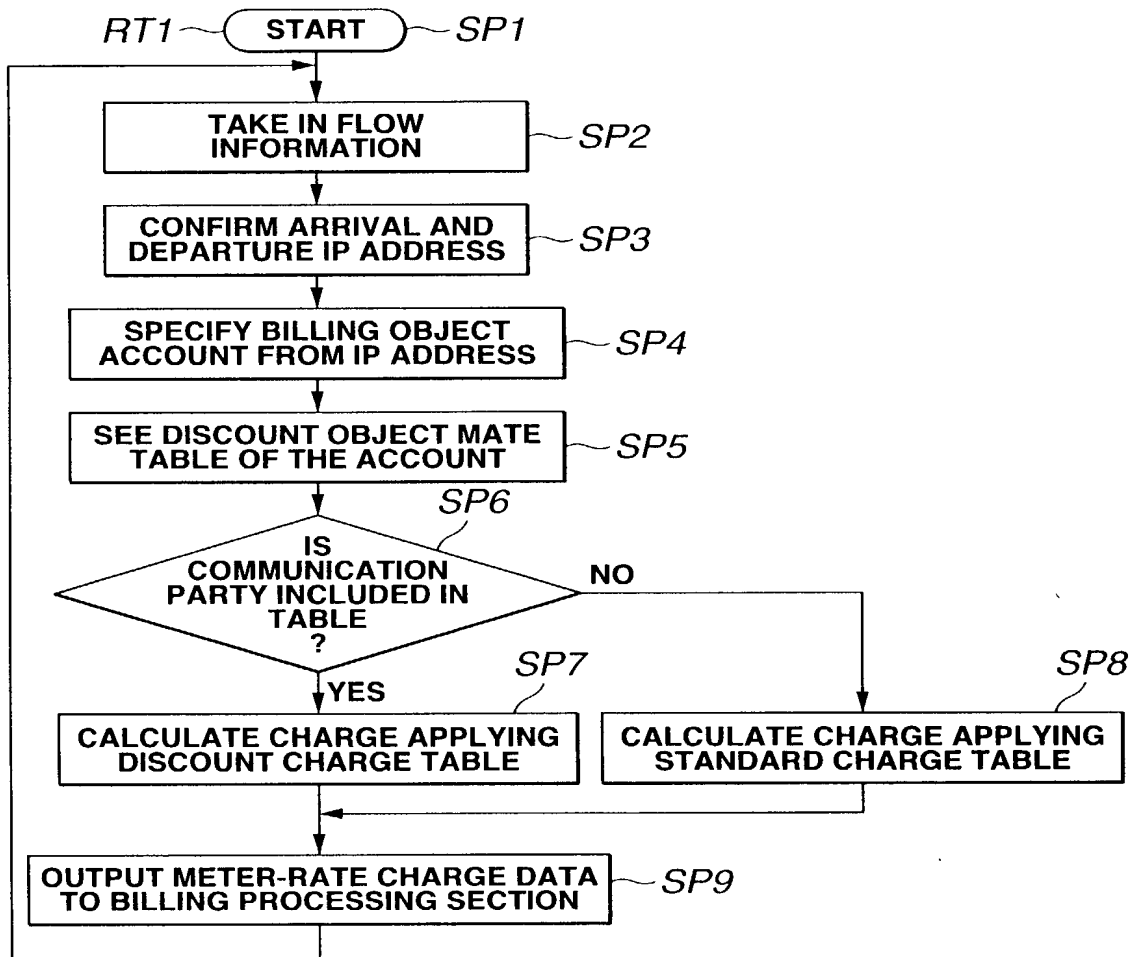


FIG. 6

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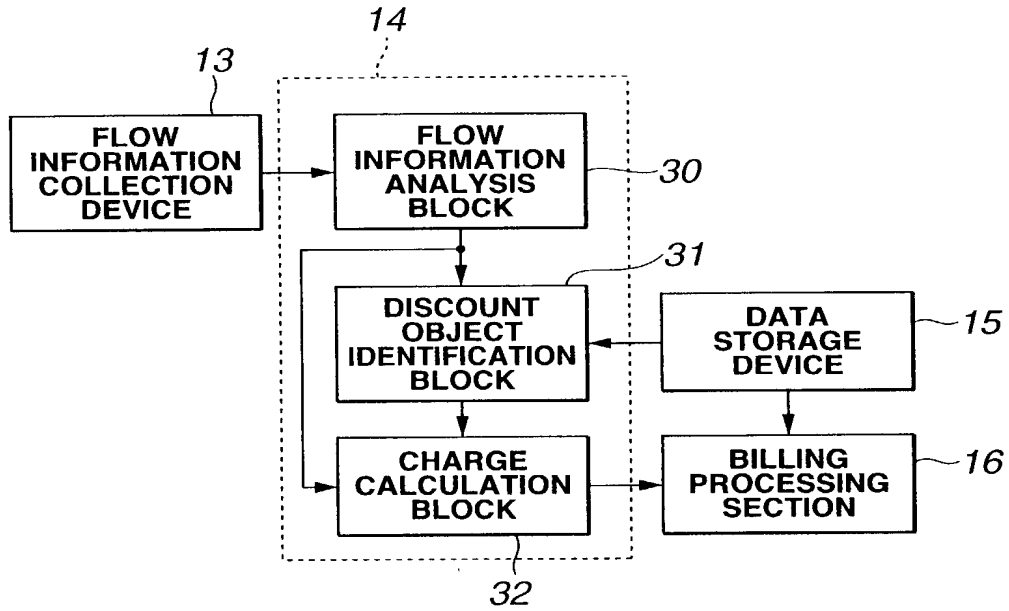


FIG.7

ACCOUNT ID	DISCOUNT OBJECT ACCOUNT ID	DISCOUNT RATE
8 <sub>1</sub>	8 <sub>2</sub>	0.8
	8 <sub>3</sub>	0.8
	8 <sub>4</sub>	0.5
8 <sub>2</sub>	8 <sub>1</sub>	0
	8 <sub>4</sub>	0
8 <sub>3</sub>	8 <sub>1</sub>	0.8
8 <sub>4</sub>	-	-
.	.	.
.	.	.
.	.	.
8 <sub>n</sub>	8 <sub>1</sub>	0.8
	8 <sub>2</sub>	0.6
	8 <sub>4</sub>	0.5

FIG.8

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GROUP NO.	GROUP 1	GROUP 2	GROUP 3	GROUP 4
IP ADDRESS OF USER	192.168.10.1 192.168.xxx.xxx 192.168.xxx.xxx 192.168.xxx.xxx 192.168.20.1 192.168.xxx.xxx . . . 192.168.xxx.xxx . . .	192.168.10.1 192.168.xxx.xxx 192.168.xxx.xxx 192.168.30.1 192.168.xxx.xxx 192.168.xxx.xxx 192.168.xxx.xxx 192.168.xxx.xxx 192.168.xxx.xxx 192.168.xxx.xxx 192.168.xxx.xxx . . .	192.168.xxx.xxx 192.168.xxx.xxx 192.168.xxx.xxx 192.168.xxx.xxx 192.168.xxx.xxx 192.168.xxx.xxx 192.168.xxx.xxx 192.168.xxx.xxx 192.168.xxx.xxx 192.168.xxx.xxx 192.168.xxx.xxx . . .	192.168.10.1 192.168.xxx.xxx 192.168.xxx.xxx 192.168.xxx.xxx 192.168.30.1 192.168.xxx.xxx 192.168.30.1 192.168.xxx.xxx 192.168.xxx.xxx 192.168.xxx.xxx 192.168.xxx.xxx . . .

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FIG.9

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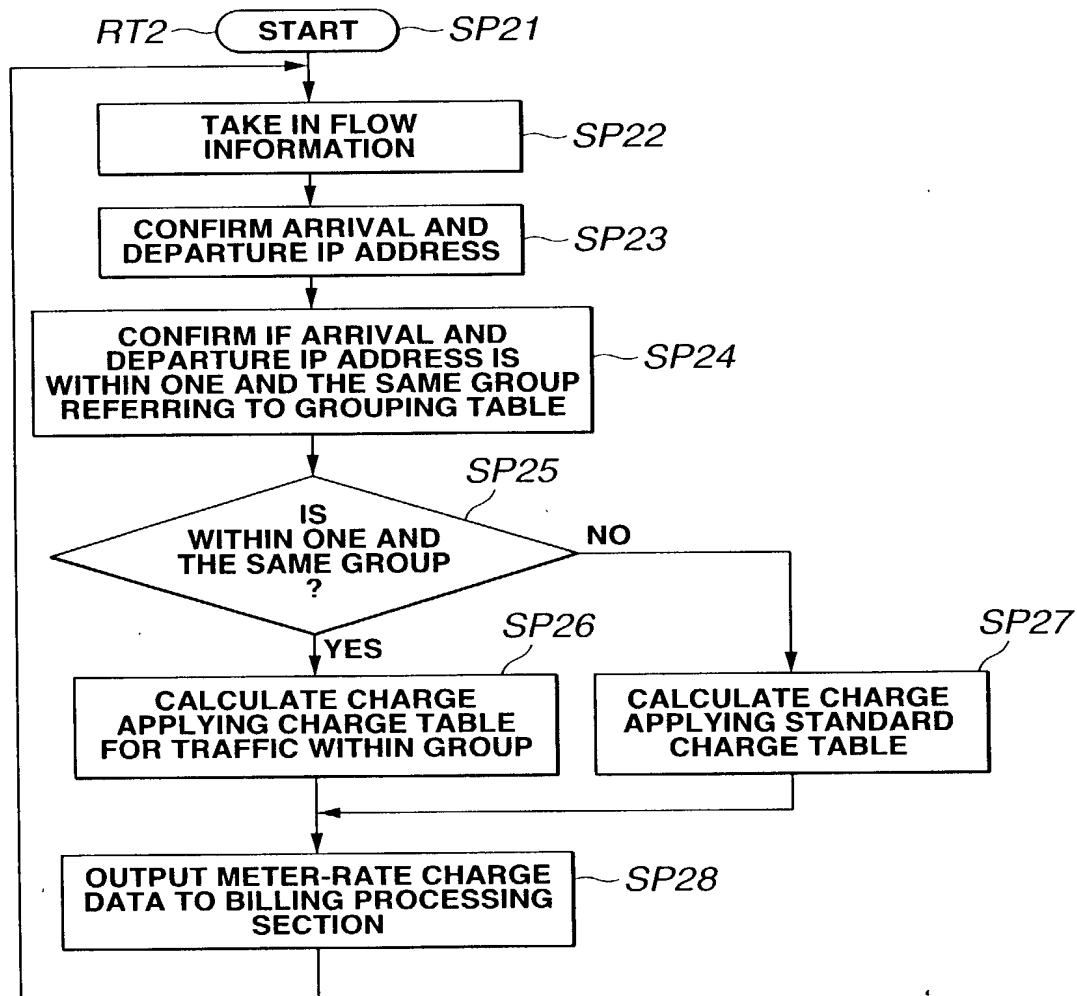


FIG.10



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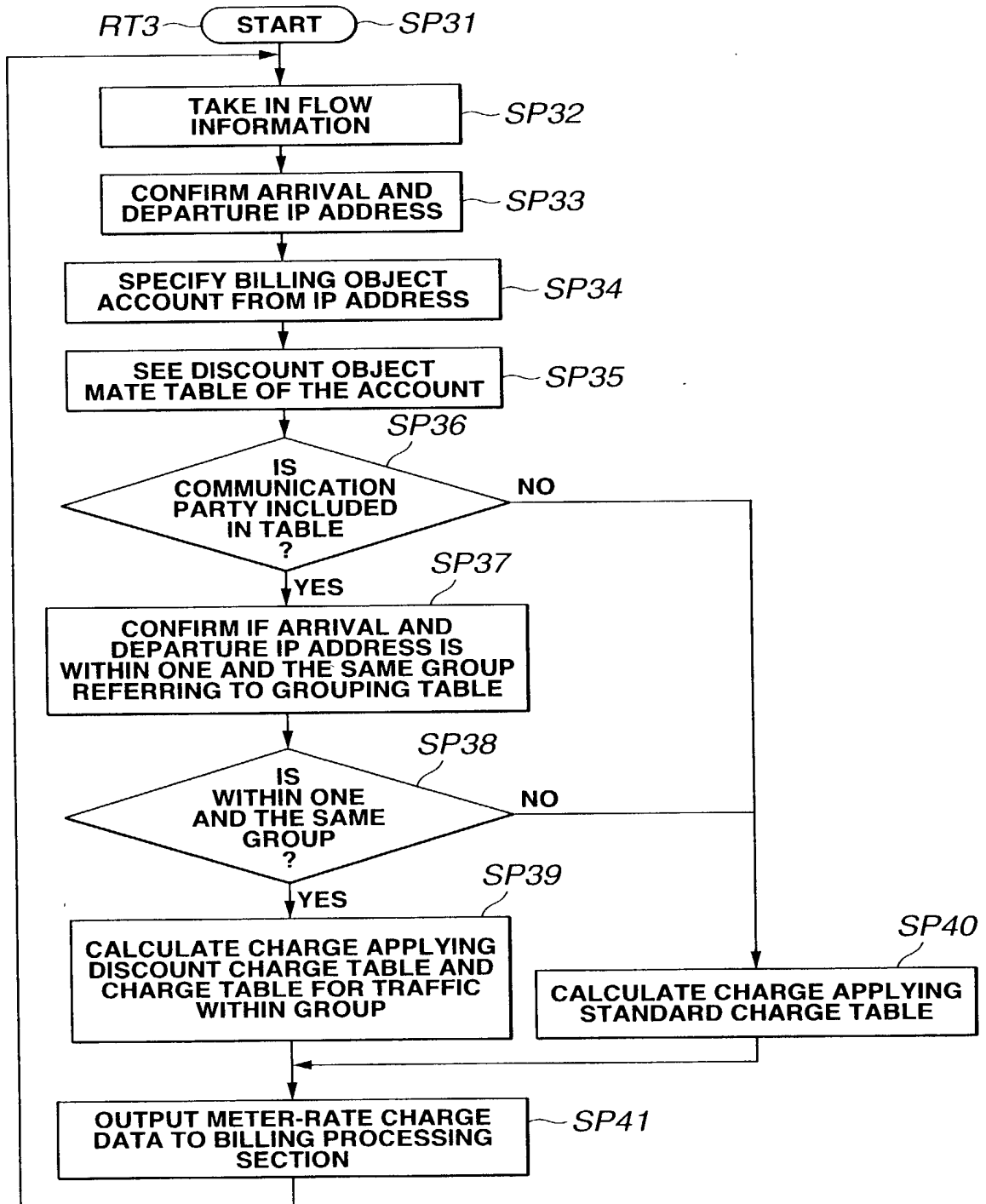


FIG.11

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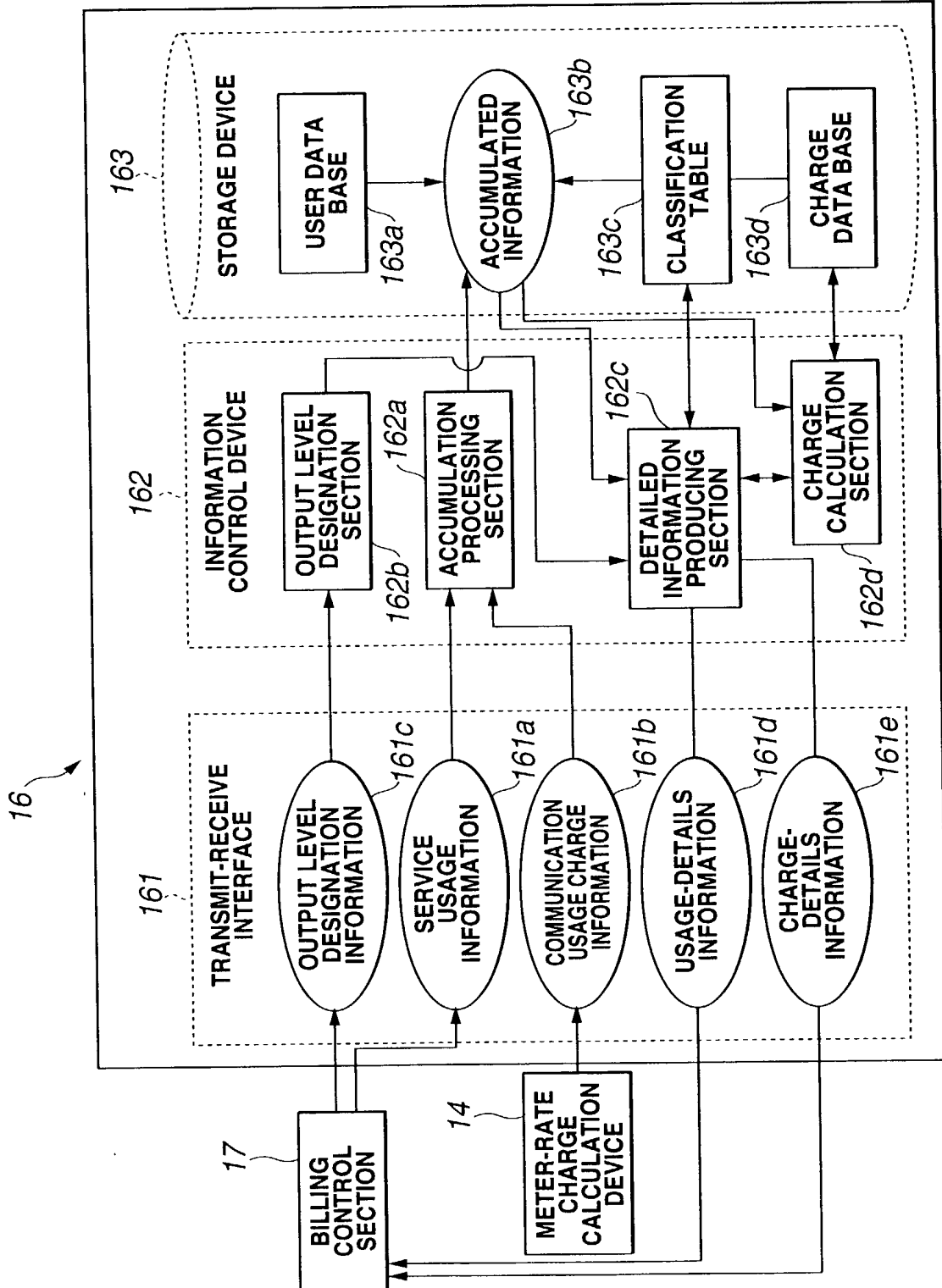


FIG.12

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	51 OUTPUT ITEM CODE	52 ITEM NAME	53 SORT NO.	54 INDENT LEVEL	55 OUTPUT LEVEL
50a	101	SERVICE PACK	100	1	1
50b	120	COMMUNICATION USAGE CHARGE	110	2	2
50c	121	COMMUNICATION USAGE BASIC CHARGE	111	3	3
50d	122	COMMUNICATION USAGE METER-RATE CHARGE	112	3	3
		⋮			
50e	201	ADDITIONAL SERVICE	200	1	1
	250	INTERNET SERVICE A	210	2	3
	260	INTERNET SERVICE B	220	2	3
		⋮			
	301	INITIAL EXPENSES	300	1	1
	311	SERVICE SUBSCRIPTION CHARGE	310	2	4
	312	CIRCUIT WORK CHARGE	320	2	4

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FIG.13

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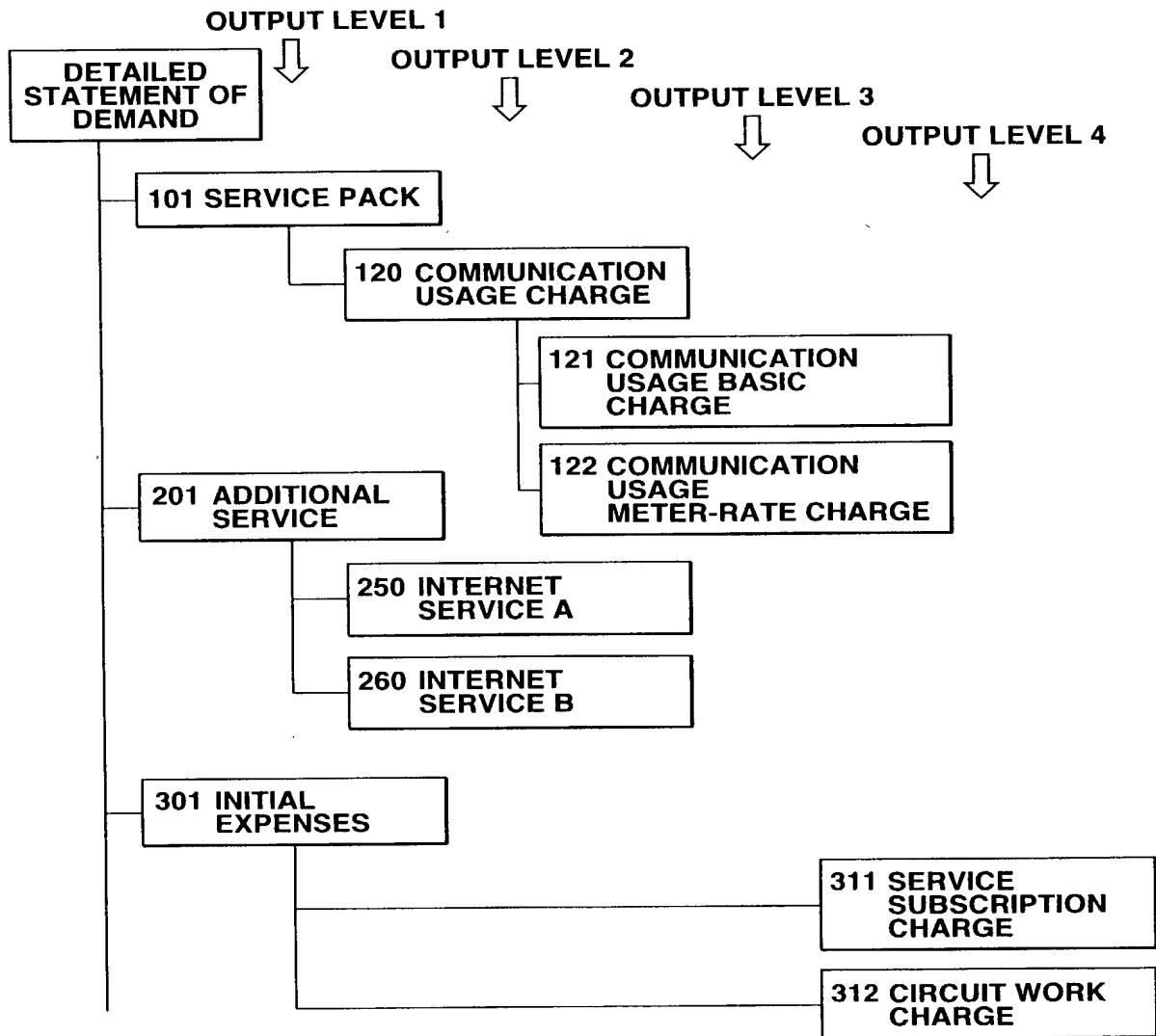


FIG.14

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DETAILED STATEMENT OF DEMAND	
FOR * MONTH * YEAR	
SERVICE PACK	
COMMUNICATION USAGE CHARGE	
COMMUNICATION USAGE BASIC CHARGE	*****
COMMUNICATION USAGE METER-RATE CHARGE	*****
TOTAL	*****
ADDITIONAL SERVICE	
INTERNET SERVICE B	*****
TOTAL	*****
INITIAL EXPENSES	
SERVICE SUBSCRIPTION CHARGE	*****
CIRCUIT WORK CHARGE	*****
TOTAL	*****
SUM TOTAL	*****
CONSUMPTION TAX	***
AMOUNT CHARGED	*****

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FIG.15

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↓

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↓

DETAILED STATEMENT OF DEMAND FOR * MONTH * YEAR	
SERVICE PACK	
COMMUNICATION USAGE CHARGE	* * * *
TOTAL	* * * *
ADDITIONAL SERVICE	
TOTAL	* * * *
INITIAL EXPENSES	
TOTAL	* * * *
SUM TOTAL	* * * *
CONSUMPTION TAX	* * *
AMOUNT CHARGED	* * * *

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FIG.16